



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

November 04, 2013

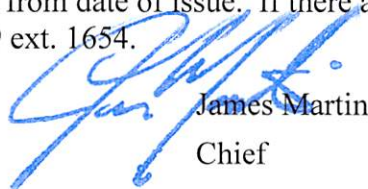
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6101467, issued to CNX GAS COMPANY LLC , is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: L-86

Farm Name: CONSOLIDATION COAL CO.

API Well Number: 47-6101467

Permit Type: Plugging

Date Issued: 11/04/2013

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B
(Rev. 6-07)

1) Date: October 8, 2013

2) Operator's Well Number

L-86

3) API Well No.: 47 - 061 - 01467
State County Permit

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil / Gas X / Liquid injection / Waste disposal
(If "Gas", Production X or Underground storage) Deep / Shallow X

5) Location: Elevation 1598' Watershed Paw Paw Creek
District Battelle County Monongalia Quadrangle Mannington, WV-PA 7.5'
01 61 457

6) Well Operator CNX Gas Company, LLC
Address 200 Evergreene Dr
Waynesburg, PA 15370

7) Designated Agent Jeremy Jones
Address 1 Dominion Drive
Jane Lew, WV 26378

8) Oil and Gas Inspector to be notified
Name Sam Ward
Address P.O. Box 2327
Buckhannon, WV 26201

9) Plugging Contractor
Name Daybrook Development Corp
Address 2656 Daybrook Rd
Fairview, WV 26570-8592

10) Work Order: The work order for the manner of plugging this well is as follows:

The wellbore will be cleaned out to the total depth or attainable bottom. From the total depth or attainable bottom to the surface, all casing will be removed so that only a single string will be left in the wellbore, if it cannot be removed. Intact and uncemented casing as determined by electronic logging shall be perforated, ripped, or milled at no greater than 100 ft. intervals from total depth or attainable bottom, to the top of the casing. A borehole survey will be conducted to determine the top and bottom of any mineable coal seam. In addition, starting at a point 5 ft. below through 5 ft. above any mineable coal seam, and casing shall be ripped, cut, or perforates on no greater than 5 ft. intervals. Circulation will have been established using gelled water to the clean out depth. Expanding cement will be placed from the total depth or attainable bottom to 100 ft. above any mineable coal seam. From that point to the surface, a light cement mixture shall be used to fill the wellbore.

(continued on next page)

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector

S. P. DUBOIS III

Date

10/15/2013

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WV Department of
Environmental Protection

The existing access road will be used for this well work.

The plugging will comply with the West Virginia Code Chapter 22-6-6 (Soil Erosion Control Plan) and 22-6-30 (Reclamation Requirements) and the West Virginia Erosion And Sediment Control Field Manual as published by the WVDEP Office of Oil and Gas. A well marker at least 30" in height or buried below plow depth will be installed containing the following: API number, site number, Consol Coal Company, and the date plugged.

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SPW
10/15/2013

-5(B)

Page 3 of 3

61-01467

CONSOLIDATION COAL COMPANY
1800 WASHINGTON ROAD
PITTSBURGH PA

WELL NUMBER L-86

MINE Loveridge

DATE STARTED July 1991

DATE COMPLETED July 1991

CONTRACTOR ?

TOTAL DEPTH OF HOLE 1,195 (APPROX)
[In Feet]

CASING IN HOLE: SLOTTED 300
[In Feet]

Surface 20
5-1/2-INCH 1,185

PACKER SIZE 3' 6"

CEMENT 315 [SKS]

OK S.M.
1-3-03

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Environmental Protection

6101467P

WW-4A
(Rev. 6-07)

1) Date: September 3, 2013

2) Operator's Well Number

L-86

3) API Well No.: 47 - 061 - 01467
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:

(a) Name Consolidation Coal Company W
 Address 1000 Consol Energy Drive
Canonsburg, PA 15317

(b) Name _____
 Address _____

(c) Name _____
 Address _____

6) Inspector Sam Ward W
 Address P.O. Box 2327
Buckhannon, WV 26201
 Telephone _____

5) (a) Coal Operator

Name Consolidation Coal Company W
 Address 1000 Consol Energy Drive
Canonsburg, PA 15317

(b) Coal Owner(s) with Declaration
 Name Reserve Coal Properties Company
 Address 1000 Consol Energy Drive
Canonsburg, PA 15317

Name _____
 Address _____

(c) Coal Lessee with Declaration
 Name _____
 Address _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed the Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this notice, the Application, and the plat have been mailed by register or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

NOTARIAL SEAL
JANICE L DAVIS
 Notary Public
 CECIL TWP., WASHINGTON COUNTY
 My Commission Expires Oct 19, 2013

Well Operator

By:

Its:

Address

Telephone

CNX Gas Company LLC

Daniel Bitz

Director of Permitting

200 Evergreene Drive

Waynesburg, PA 15370

724-6271246

Subscribed and sworn before me this 4th day of September, 2013

My Commission Expires

Janice L. Davis
October 19, 2013

Notary Public

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Officer at depprivacyofficer@wv.gov.

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 OCT 25 2013
 WV Department of
 Environmental Protection

SURFACE OWNER WAIVER

Operator's Well
Number

L-86

INSTRUCTIONS TO SURFACE OWNERS NAMES ON PAGE WW4-A

The well operator names on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: if the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. Of you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
 Department of Environmental Protection
 601 57th St. SE
 Charleston, WV 25304
 (304 962-0450)

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files the application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address, and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to the publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water resources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation... "

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Permit to Plug and Abandon on Forms WW-4a and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and have no objection to a permit being issued on the materials.

FOR EXECUTION BY A NATURAL PERSON ETC.

FOR EXECUTION BY A CORPORATION,

Ronnie Harsh
 Signature

Date 9-7-13Name Consolidation Coal CompanyBy Ronnie HarshIts Agent

Ronnie Harsh
 Signature

Date

Date

9-7-13

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 OFFICE OF OIL AND GAS
 SEP 15 2013
 DEPARTMENT OF ENVIRONMENTAL PROTECTION

WW-4B

API No. 47-061-01467
 Farm Name _____
 Well No. L-86

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator names on the obverse side of the WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil and Gas.

This notice and application is given to you in order that your respective representative may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: if you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator X / owner _____ / lessee _____ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Ronnie Harsh Date 9-3-17
 Signature

Consolidation Coal Company
 By Ronnie Harsh
 Its Agent

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 September 25 2013
 Department of
 Environmental Protection

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 061 - 01467C
Operator's Well No. L-86

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name CNX Gas Company, LLC OP Code 494458046

Watershed Paw Paw Creek Quadrangle Mannington

Elevation 1598' County Monongalia District Battelle

Description of anticipated Pit Waste: N/A - will use mud trucks to contain all drilling muds

Will a synthetic liner be used in the pit? N/A

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application
☐ Underground Injection (UIC Permit Number _____)
☐ Reuse (at API Number _____)
☐ Off Site Disposal (Supply form WW-9 for disposal location)
☒ Other (Explain no pits)

SPW
01/15/2013

Proposed Work For Which Pit Will Be Used:

- ☐ Drilling ☐ Swabbing
☐ Workover ☐ Plugging
☒ Other (Explain no pits)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Daniel A. Bitz

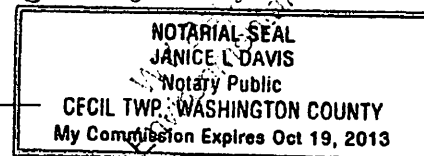
Company Official (Typed Name) Daniel A. Bitz

Company Official Title Permitting Director

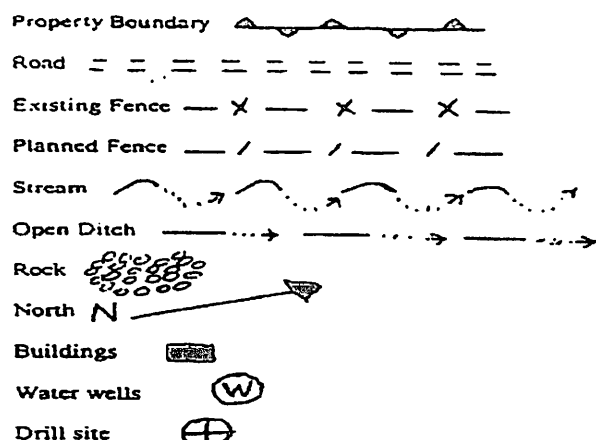
Subscribed and sworn before me this 4th day of September, 20 13

Janice L. Davis Notary Public

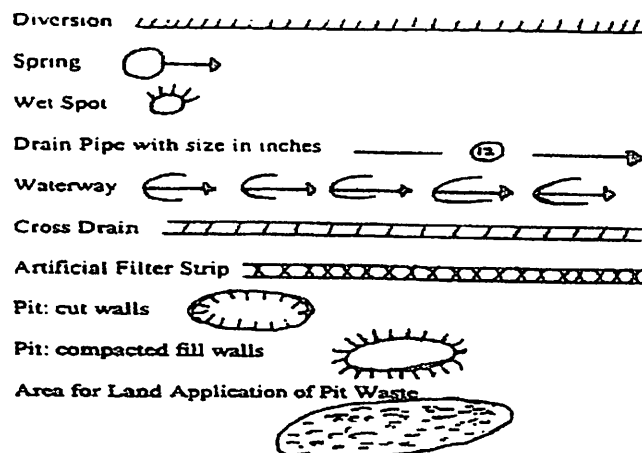
My commission expires October 19, 2013



Form WW-9

Operator's Well No. L-86

LEGEND

Proposed Revegetation Treatment: Acres Disturbed Less than 1 acre Prevegetation pH _____Lime 2-3 Tons/acre or to correct to pH _____Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)Mulch hay or straw 2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Landino Clover	5	Landino Clover	5

Attach:

Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

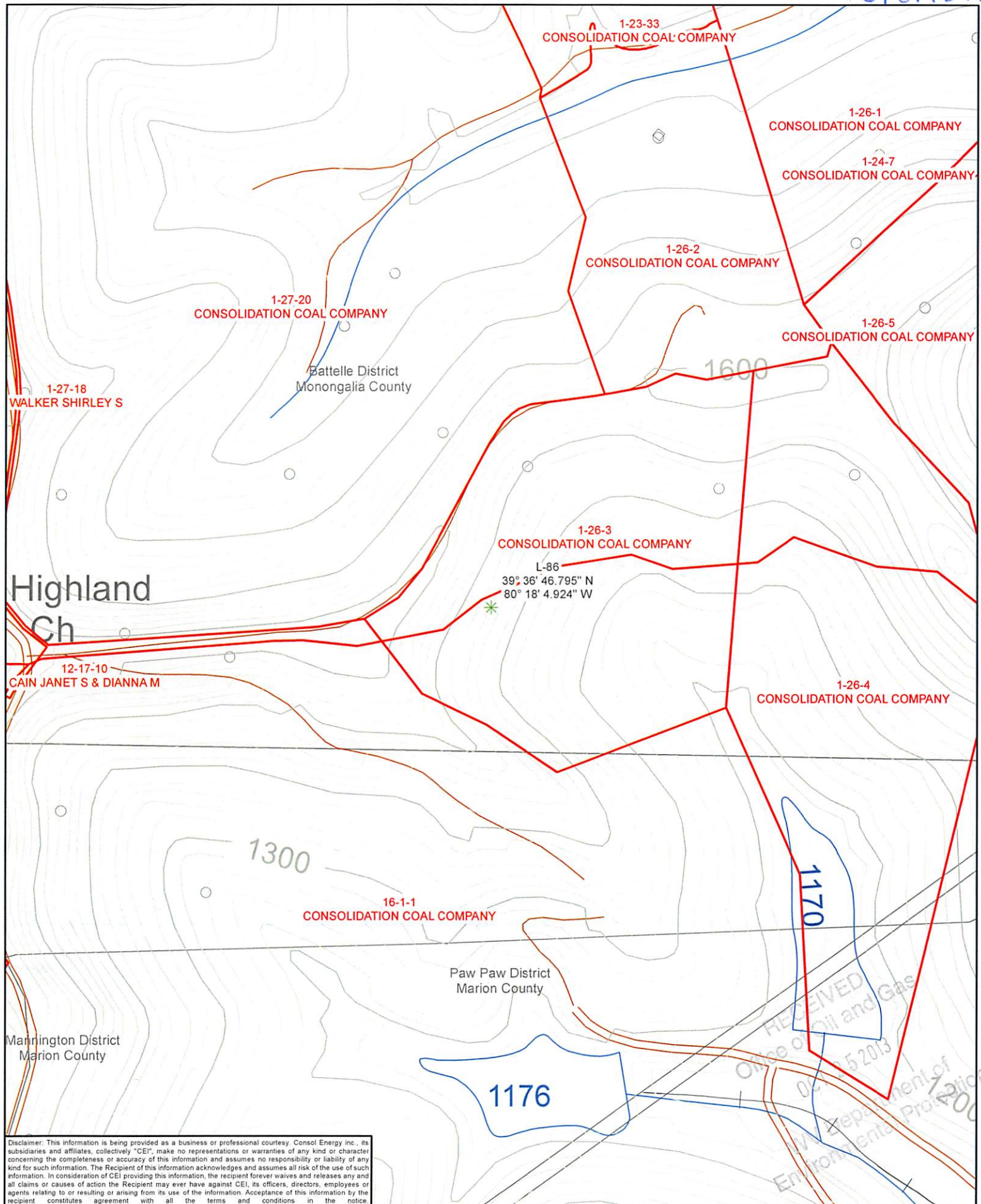
Plan Approved by: S. J. D. WarrattComments: Upgraded ETS as necessary. Pre-Screen Mulch disturbed areas as per WV DEP ETS manualTitle: Oil & Gas InspectorDate: 10/15/2013

Field Reviewed?

☒ Yes☒ No

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Environmental Protection

61014679




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Legend

- ★ GOB Well
- ▭ Surface Property
- ▭ District / County



	
Date: 7/10/2013	Prepared By: K. McCartney
Revisions:	Approved By:
This map is property of CONSOL Energy Inc. and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior written consent.	



GOB Well Location Map
Well L-86 for Plugging
Loveridge Project Area

LATITUDE 39°37'30"

LONGITUDE 80°17'30"

WELL LOCATION

UTM 17-NAD83

N:4385050.64

E:559848.19

NAD83, WV NORTH

N:406439.88

E:1742339.43

LAT/LOG DATUM-WGS84

LAT:39°36'47.22"

LON:80°18'10.05"

CONSOLIDATION COAL COMPANY

CONSOLIDATION COAL COMPANY

LOCUST

COORDINATES:
4,328.67' WEST
3,133.33' SOUTHCONSOLIDATION COAL COMPANY
TM/PAR 1-27/20
DB/PG 967/68
150 AC ±

CONSOLIDATION COAL COMPANY

SHIRLEY WALKER

W.O.

N 55°33'42" W 4995.9070'

WELL
L-86

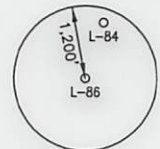
CONSOLIDATION COAL COMPANY

HERSHEL WISE
NANCY GROOMSHIGHLAND
CEMETERY

CONSOLIDATION COAL COMPANY

NOTE:

It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

OIL & GAS WELLS
WITHIN 1200 ft.

REFERENCE NOT TO SCALE



Blue Mountain Engineering

11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

FILE #: L-86

DRAWING #: L-86

SCALE: 1" = 700'

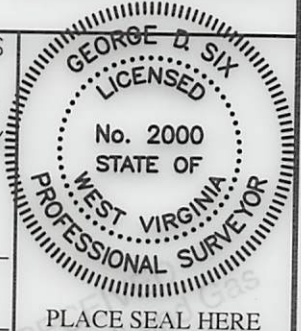
MINIMUM DEGREE
OF ACCURACY: 1/2500PROVEN SOURCE
OF ELEVATION: U.S.G.S. MONUMENT
THOMAS 1498.81'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed:

R.P.E.:

L.L.S.: P.S. No. 2000



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON
UNITED STATES TOPOGRAPHIC MAPS
WVDEP

OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: JULY 29, 2013

OPERATOR'S WELL #: L-86

API WELL #: 47 061 01467C
STATE COUNTY PERMIT

Well Type: ☐ Oil ☐ Waste Disposal ☒ Production ☐ Deep
☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow

WATERSHED: PAW PAW CREEK

ELEVATION: 1598'

COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: MANNINGTON, WV-PA 7.5'

SURFACE OWNER: CONSOLIDATION COAL COMPANY ACREAGE: 150±

OIL & GAS ROYALTY OWNER: CONSOLIDATION COAL COMPANY, et al ACREAGE:

DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☐
PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☒
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):

TARGET FORMATION: PITTSBURGH ESTIMATED DEPTH: 1195'

WELL OPERATOR CNX GAS COMPANY LLC

DESIGNATED AGENT JEREMY JONES

Address 200 EVERGREENE Dr.

Address ONE DOMINION DRIVE

City WAYNESBURG State PA Zip Code 15370

City JANE LEW State WV Zip Code 26378



Daniel Bitz
Permitting Director
200 Evergreene Drive
Waynesburg, PA 15370
(724) 485-4268



September 3, 2013

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

Plugging Permit Application – Well “L-86”

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced CBM well.

If any further information or correspondence is required, please contact me at (724) 485-4268 or
DanielBitz@consolenergy.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Daniel A. Bitz', with a stylized flourish at the end.
Daniel A. Bitz

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